**12.2 Quadratic Functions Test Review**

**Part II - Working with Functions**

**Intercept/Factored Form:**

1. **Find the roots/x-intercepts and describe the concavity**

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| --- | --- |
|  |  |

1. **Find the vertex**

|  |  |
| --- | --- |
|  |  |

**Standard Form:**

1. **Find the y-intercept and describe the concavity**

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| --- | --- |
|  |  |

**Vertex Form:**

1. **Graph Precisely and Analyze**

|  |  |
| --- | --- |
| http://www.mathnstuff.com/gif/9x9nono.gif  Vertex:  (max or min?)  Axis of symmetry: | http://www.mathnstuff.com/gif/9x9nono.gif  Vertex:  (max or min?)  Axis of symmetry: |
| Domain Range  Increasing on Decreasing on  y-intercept: | Domain Range  Increasing on Decreasing on  y-intercept: |

1. **Rewrite in vertex form, then sketch the graph**

|  |  |
| --- | --- |
| This is in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ form to begin with…. | This is in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ form to begin with…. |